

ICU Procedures	
Group	ICU Procedure Item
abdomin_drain	Paracentesis
	Percutaneous Drain Insertion
	Thoracentesis
	Thoracentesis
blood_transfusion	Massive Transfusion
bypass_trachea	Intubation
cardiac_catheterization	Cardiac Cath
dialysis	Dialysis - CRRT
	Hemodialysis
	Hemodialysis
	Peritoneal Dialysis
dural	Epidural Placement
	SEPS (Subdural Evacuating Port System)
	Subdural Drain
epoprostenol	Epoprostenol (Inhaled)
evd	EVD #1
	EVD #2
foley_cath	Foley Catheter
gi_device	Endoscopy
	PEG Insertion
iabp_or_impella	IABP line
	Impella Line
intraosseous_device	Intraosseous Device
ivf	Indwelling Port
	Indwelling Port (PortaCath)
	Midline
	Multi Lumen
	PICC Line
	Single Lumen
	Tunneled (Hickman) Line
	Tunneled Access Line
mac	MAC
pericardiocentesis	Pericardiocentesis
plasmapheresis	Plasma Pheresis.
radiation_therapy	Radiation Therapy
resuscitation_cardioversion_defibrillation	Cardioversion/Defibrillation
ric	RIC
tracheostomy	Open Tracheostomy
	Percutaneous Tracheostomy
vein_line	Pheresis Catheter
venous_catheterization	Dialysis Catheter
ventilation	Invasive Ventilation
	Non-invasive Ventilation

Hospital Procedures (1)	
Group	Hospital Procedure Item
abdomin_drain	Drainage of Peritoneal Cavity, Percutaneous Approach
	Percutaneous abdominal drainage
	Thoracentesis
	Thoracentesis
adhesion_lysis	Other lysis of peritoneal adhesions
antibiotics	Injection or infusion of oxazolidinone class of antibiotics
art_catheterization	Arterial catheterization
arthrocentesis	Arthrocentesis
bileduct_proc	Dilation of Common Bile Duct with Intraluminal Device, Via Natural or Artificial Opening Endoscopic
	Endoscopic insertion of stent (tube) into bile duct
blood_transfusion	Transfusion of packed cells
brain_lesion_destruction	Other excision or destruction of lesion or tissue of brain
bypass_art	(Aorto)coronary bypass of one coronary artery
	(Aorto)coronary bypass of three coronary arteries
	(Aorto)coronary bypass of two coronary arteries
	Bypass Coronary Artery, One Artery from Aorta with Autologous Venous Tissue, Open Approach
	Bypass Coronary Artery, One Artery from Left Internal Mammary, Open Approach
	Bypass Coronary Artery, Three Arteries from Aorta with Autologous Venous Tissue, Open Approach
	Bypass Coronary Artery, Two Arteries from Aorta with Autologous Venous Tissue, Open Approach
bypass_trachea	Single internal mammary-coronary artery bypass
	Bypass Trachea to Cutaneous with Tracheostomy Device, Percutaneous Approach
	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening
	Insertion of endotracheal tube
	Other intubation of respiratory tract
cancer_drug	Temporary tracheostomy
	Injection or infusion of cancer chemotherapeutic substance
	Introduction of Other Antineoplastic into Central Vein, Percutaneous Approach
cardiac_catheterization	Combined right and left heart cardiac catheterization
	Left heart cardiac catheterization
	Right heart cardiac catheterization
debridement	Excisional debridement of wound, infection, or burn
	Nonexcisional debridement of wound, infection or burn
dialysis	
	Hemodialysis
	Performance of Urinary Filtration, Continuous, Greater than 18 hours Per Day
	Performance of Urinary Filtration, Intermittent, Less than 6 Hours Per Day
	Performance of Urinary Filtration, Multiple
extracorporeal_circulation	Extracorporeal circulation auxilliary to open heart surgery
gi_device	Percutaneous [endoscopic] gastrostomy [PEG]
gi_nutrition	Enteral infusion of concentrated nutritional substances
	Insertion of Feeding Device into Stomach, Percutaneous Approach
	Introduction of Nutritional Substance into Lower GI, Via Natural or Artificial Opening
	Introduction of Nutritional Substance into Upper GI, Via Natural or Artificial Opening
gi_proc	Endoscopic retrograde cholangiopancreatography [ERCP]
	Endoscopic sphincterotomy and papillotomy
gitract_bleed_ctrl	Control Bleeding in Gastrointestinal Tract, Via Natural or Artificial Opening Endoscopic
	Endoscopic control of gastric or duodenal bleeding
heart_device	
	Initial insertion of dual-chamber device
	Initial insertion of transvenous leads [electrodes] into atrium and ventricle
	Insertion of Infusion Device into Right Atrium, Percutaneous Approach
	Insertion of Infusion Device into Superior Vena Cava, Percutaneous Approach
	Insertion of Pacemaker Lead into Right Atrium, Percutaneous Approach
	Insertion of Pacemaker Lead into Right Ventricle, Percutaneous Approach
	Insertion of Pacemaker, Dual Chamber into Chest Subcutaneous Tissue and Fascia, Open Approach

Hospital Procedures (2)	
Group	Hospital Procedure Item
heart_lesion_destruction	Excision or destruction of other lesion or tissue of heart, endovascular approach
immunoglobulin	Injection or infusion of immunoglobulin
ivf	Insertion of Tunneled Vascular Access Device into Chest Subcutaneous Tissue and Fascia, Percutaneous Approach
	Introduction of Nutritional Substance into Central Vein, Percutaneous Approach
	Parenteral infusion of concentrated nutritional substances
open_reduction	Open reduction of fracture with internal fixation, femur
perf_cadiac	Performance of Cardiac Output, Single, Manual
perf_cardiac	Performance of Cardiac Output, Continuous
	Performance of Cardiac Pacing, Continuous
platelet_inhibitor	Injection or infusion of platelet inhibitor
pleuralcavity_drain	Drainage of Left Pleural Cavity with Drainage Device, Percutaneous Approach
	Drainage of Right Pleural Cavity with Drainage Device, Percutaneous Approach
	Insertion of intercostal catheter for drainage
radiotherapeutic	Other radiotherapeutic procedure
resuscitation_cardioversion_defibrillation	Cardiopulmonary resuscitation, not otherwise specified
	Other electric countershock of heart
	Restoration of Cardiac Rhythm, Single
spinal_infusion	Insertion of catheter into spinal canal for infusion of therapeutic or palliative substances
	Spinal tap
thrombolytic_agent	Injection or infusion of thrombolytic agent
valve_proc	Open and other replacement of aortic valve with tissue graft
	Replacement of Aortic Valve with Zooplastic Tissue, Open Approach
	Supplement Mitral Valve with Synthetic Substitute, Open Approach
vcf	Interruption of the vena cava
venous_catheterization	Central venous catheter placement with guidance
	Venous catheterization for renal dialysis
	Venous catheterization, not elsewhere classified
ventilation	
	Continuous invasive mechanical ventilation for 96 consecutive hours or more
	Continuous invasive mechanical ventilation for less than 96 consecutive hours
	Respiratory Ventilation, 24-96 Consecutive Hours
	Respiratory Ventilation, Greater than 96 Consecutive Hours
verteb_fusion	Respiratory Ventilation, Less than 24 Consecutive Hours
	Fusion or refusion of 2-3 vertebrae
	Fusion or refusion of 4-8 vertebrae
vessel_proc	Angioplasty of other non-coronary vessel(s)
	Excision of Left Radial Artery, Percutaneous Endoscopic Approach
	Excision of Left Saphenous Vein, Percutaneous Endoscopic Approach
	Excision of Right Saphenous Vein, Percutaneous Endoscopic Approach
	Insertion of drug-eluting coronary artery stent(s)
	Insertion of non-drug-eluting coronary artery stent(s)
	Insertion of non-drug-eluting peripheral (non-coronary) vessel stent(s)
	Insertion of one vascular stent
	Insertion of two vascular stents
	Other endovascular procedures on other vessels
	Percutaneous transluminal coronary angioplasty [PTCA]
	Procedure on single vessel
	Procedure on two vessels